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		Application Number	10/797,893
		Filing Date	March 9, 2004
		First Named Inventor	Beraud, Christophe
		Art Unit	1642
		Examiner Name	NOT YET ASSIGNED
Total Number of Pages in This Submission		Attorney Docket Number	020552-004921US

**ENCLOSURES (Check all that apply)**

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Firm or Individual	Townsend and Townsend and Crew LLP Scott L. Ausenhus	
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Date	05-10-04	

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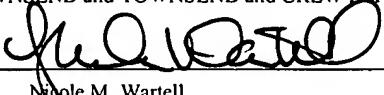


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On MAY 10, 2004

TOWNSEND and TOWNSEND and CREW LLP

By: 

Nicole M. Wartell

**PATENT**  
Attorney Docket No.: 020552-004921US  
Client Reference No.: 1044B

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

Christophe Beraud

Application No.: 10/797,893

Filed: March 9, 2004

For: NOVEL MOTOR PROTEINS AND  
METHODS FOR THEIR USE

Examiner: NOT YET ASSIGNED

Art Unit: 1642

**INFORMATION DISCLOSURE  
STATEMENT UNDER 37 CFR §1.97 and  
§1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. This application is a divisional of and relies upon U.S. Application No. 10/093,317, filed March 6, 2002, for an earlier effective filing date under 35 U.S.C. §120, which is a continuation of U.S. Application No. 09/724,224, filed November 28, 2000, now U.S. Patent No. 6,387,644, which is a continuation of U.S. Application No. 09/597,292, filed June 20, 2000, abandoned, which is a continuation-in-part application of U.S. Application No. 09/295,612, filed April 20, 1999, abandoned. In accordance with 37 CFR §1.98(d), copies of those references that have been previously submitted to or cited by the Office

in the parent applications are not enclosed. In addition, U.S. patents which have not been previously submitted to or cited by the Office are not enclosed in accordance with the Patent Office waiver issued August 5, 2003 in the Official Gazette, which states as follows:

The Office hereby waives the requirement under 37 CFR §1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC §371 after June 30, 2003. See 37 CFR §1.491(b).

Please note that previously cited US Patent Application No. 09,314,464, Finer et al., Filed May 18, 1999, has since issued as US-6,410,254, on June 25, 2002, and is cited in this IDS as such.

It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



Scott L. Ausenhus  
Reg. No. 42,271

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60211390 v1



Substitute for form 1449A/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	10/797,893
(use as many sheets as necessary)				Filing Date	March 9, 2004
				First Named Inventor	Beraud, Christophe
				Art Unit	1642
				Examiner Name	NOT YET ASSIGNED
Sheet	1	of	3	Attorney Docket Number	020552-004921US

<b>U.S. PATENT DOCUMENTS*</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code <sup>2</sup> (if known)			
	A1	US-6,207,403 B1	03-2001	Goldstein et al.	
	A2	US-6,387,644 B1	05-14-2002	Beraud	
	A3	US-6,410,254	06-25-2002	Finer et al.	
	A4				

<b>FOREIGN PATENT DOCUMENTS</b>						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup>	Number <sup>4</sup> Kind Code <sup>5</sup> (if known)			
	B1	PCT	WO 98/37197	08-27-1998		<input type="checkbox"/>
	B2	PCT	WO 99/13061 A1	03-18-1999		<input type="checkbox"/>
	B3	PCT	WO 00/63353	10-26-2000		

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<sup>1</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>2</sup> Applicant's unique citation designation number (optional). <sup>3</sup> Kind Codes of U.S. Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>4</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST-3). <sup>5</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>7</sup> Applicant is to place a check mark here if English language Translation is attached.

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>					
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Sheet	2	of	3		
				Application Number	10/797,893
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				First Named Inventor	Beraud, Christophe
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				Attorney Docket Number	020552-004921US

<b>NON PATENT LITERATURE DOCUMENTS</b>			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	C1	Adams et al., "pavarotti encodes a kinesin-like protein require to organize the central spindle and contractile ring for cytokinesis," <i>Genes &amp; Development</i> , 12:1483-1494 (1998).	
	C2	Aizawa et al, "Kinesin Family in Murine Central Nervous System," <i>Journal of Cell Biology</i> , 119:1287-1296 (1992).	
	C3	Blangy et al., "Phosphorylation by p34cdc <sup>2</sup> Regulates Spindle Association of Human Eg5, a Kinesin-Related Motor Essential for Bipolar Spindle Formation in Vivo," <i>Cell</i> , 83:1159-1169 (1995).	
	C4	Cole et al., "A 'Slow' Homotetrameric Kinesin-related Motor Protein Purified from <i>Drosophila</i> Embryos," <i>Journal of Biological Chemistry</i> , 269(37):22913-22916 (1994).	
	C5	Crevel et al, "Kinetic evidence for low chemical processivity in ncd and Eg5," <i>J. MoL Biol.</i> , 273:160-170 (1997).	
	C6	Debernardi et al. "Identification of a Novel Human Kinesin Related Gene (HK2) by the cDNA Differential Display Technique" <i>Genomics</i> , 1997, pp. 67-73, Vol. 42.	
	C7	Desai et al, "Kin I Kinesins Are Microtubule-Destabilizing Enzymes," <i>Cell</i> , 96:69-78 (1999).	
	C8	GenBank Accession No. D38751, Direct Submission, Jun., 2000.	
	C9	GenBank Accession No. Q14807, Nov. 1996	
	C10	Kim et al., "Cloning and expressiorof human mitotic centromere-associated kinesin gene," <i>Biochimica et Biophysica Acta</i> , 1359:181-186"(1997).	
	C11	Kuriyama et al, "Heterogeneity and microtubule interaction of the CHO1 antigen, a mitosis-specific kinesinlike protein," <i>Journal of Cell Science</i> , 107:3485-3499 (1994).	
	C12	LeGuellec et al., "Cloning by Differential Screening of a <i>Xenopus</i> cDNA That Encodes," <i>Molecular and Cellular Biology</i> , 11(6):3395-3398 (1991).	
	C13	Lockhart et al., "Kinetics and Motility of the Eg5 Microtubules Motor," <i>Biochemistry</i> , 35:2365-2373 (1996).	
	C14	Nakagawa, et al. "Identification and classification of 16 new kinesin superfamily (KIF) protein in mouse genome". <i>Proc. Natl. Acad. Sci. U.S.A.</i> 1997, pp.9654-9659, Vol. 94, No. 18.	
	C15	Nislow et al., "A plus-end-directed motor enzyme that moves anitparallel microtubules <i>in vitro</i> localizes to the interzone of mitotic spindles," <i>Nature</i> , 359:543-547 (1992).	
	C16	Noda et al, "KIF2 Is a New Microtubule-based Anterograde Motor That Transports Membranous Organelles Distinct from Thos Carried by a Kinesin Heavy Chain or KIF3A/B," <i>Journal of Cell Biology</i> , 129:157-167 (1995).	

Examiner Signature		Date Considered	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Sheet	3	of	3		
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<b>NON PATENT LITERATURE DOCUMENTS</b>				<b>Complete if Known</b>	
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	C17	Okada et al, "A Processive Single-Headed Motor: Kinesin Superfamily Protein K1 F1A," <i>Science</i> , 283:11521157 (1999).			
	C18	Pierce et al. "Imaging individual green fluorescent proteins" <i>Nature</i> , 1997, pp. 338, Vol. 388, No. 6640.			
	C19	Raich et al, "Cytokinesis and Midzone Microtubule Organization in <i>Caenorhabditis elegans</i> Require the Kinesin-like Protein ZEN-4," <i>Molecular Biology of the Cell</i> , 9:2037-2049 (1998).			
	C20	Sawin et al, "Mitotic spindle organization by a plus-end-directed microtubule motor," <i>Nature</i> , 359:540-543 (1992).			
	C21	Sekine et al., "A Novel Microtubule-based Motor Protein (KIF4) for Organelle Transports, Whose Expression is Regulated Developmentally," <i>Journal of Cell Biology</i> , 127(1):187-201 (1994).		<b>T<sup>2</sup></b>	
	C22	Thrower et al, "Mitotic HeLa cells contain a CENP-associated minus end-directed microtubule motor," <i>EMBO</i> , 14(5):918-926 (1995).			
	C23	Tokai et al. "Kid, a novel kinesin-like DNA binding protein, is localized to chromosomes and the mitotic spindle" <i>EMBO J.</i> , 1996, pp.457-467, Vol. 15, No. 3.			
	C24	Vale et al., "Direct observation of single kinesin molecules moving along microtubules," <i>Nature</i> , 380:451-453 (1996).			
	C25	Walczak et al. "XKCM1: A Xenopus Kinesin-Related Protein That Regulates Microtubule Dynamics during Mitotic Spindle Assembly" <i>Cell</i> , 1996, pp. 37-47, Vol. 84.			
	C26	Wang et al., "Chromokinesin: a DNA-binding, Kinesin-like Nuclear Protein," <i>Journal of Cell Biology</i> , 128(5):761-768 (1995).			
	C27	Whitehead et al., "The Spindle Kinesin-Like Protein HsEg5 Is An Autoantigen in Systemic Lupus Erythematosus," <i>Arthritis &amp; Rheumatism</i> , 39(10):1635-1642 (1996).			
	C28	Wood et al., "CENP-E Is a Plus End-Directed Kinetochore Motor Required for Metaphase Chromosome Alignment," <i>Cell</i> , 91:357-366 (1997).			
	C29	Wordeman et al., "Identification and Partial Characterization of Mitotic Centromere-associated Kinesin, a Kinesin-related Protein That Associates with Centromeres during Mitosis," <i>Journal of Cell Biology</i> , 128(1 & 2):95-105 (1995).			
	C30	Yen et al., "CENP-E is a putative kinetochore motor that accumulates just before mitosis," <i>Nature</i> , 359:536539(1992).			

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